

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

08/31/2011

Andrius Knasas  
Assistant District Attorney, Suffolk County

Dear ADA Knasas,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]  
Included are copies of the following:

1. Curriculum Vitæ for Annie Dookhan and Daniel Renczkowski.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Daniel Renczkowski was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan  
Chemist II  
Drug Analysis Lab  
Jamaica Plain, MA. 02130  
(617) 983-6631

## Curriculum Vitae

### Annie Khan (Dookhan)

#### **Education:**

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

#### **Experience:**

2003 – present

#### Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

\*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

\*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

\*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

\*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

\*Maintenance and repairs of all analytical instruments.

\*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

\* Responsible for the Quality Control/Quality Assurance program for the drug lab.

\*Notary Public.

\*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

#### QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

\*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

\*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

\*Writing, revising and reviewing Standard Operating Procedures (SOPs).

\*Trained and supervised new chemists and interns for the department.

\*Routine QC testing of products for the FDA.

\*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

\*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

\*Complete testing of chemicals for Vendor Validation Project for the FDA.

\*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

#### **Additional Training:**

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

#### **Association:**

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

## Curriculum Vitae

Daniel Renczkowski

### Education

Degree: Bachelors of Science in Forensic Chemistry,  
May 2005 from Buffalo State College  
GPA: 3.84, Dean's List, Honor's Recognition  
American Chemical Society Undergraduate Award  
Phi Lambda Upsilon Membership

Related Coursework:	Analytical Chemistry	Physical Chemistry
	Organic Chemistry I and II	Instrumental Chemistry
	Biochemistry	Forensics Laboratory
	Chemistry of Criminalistics	Physical Evidence
	Anatomy	Physiology

### Employment

Massachusetts Department of Public Health Drug Analysis Laboratory  
Chemist I (October 2005 – March 2008)  
Chemist II (March 2008 – present)

- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff
- Successfully completed GC/MS training program
- Responsible for the identification of substances to determine violation of the Controlled Substances Act of the Massachusetts General Laws
- Responsible for maintenance and repairs of analytical instruments
- Responsible for quality control of analytical instruments and standards

### Related Experience

Niagara County Forensics Laboratory  
Forensic Internship, January 2005

- Conducted research on the presumptive testing of saliva
- Conducted research on the identification and detection of lubricants
- Observed all aspects of the laboratory including drug analysis, firearms comparison, trace evidence, arson investigation, toxicology, and serology
- Daily use of FTIR microscope and DuraSamplerII
- Familiarized with GC/MS programs



## DRUG RECEIPT

CC #

BOOK # 153

PAGE # 118

**DESTRUCTION #**

District/Unit B-2

Name & Rank of Arresting Officer PO Golden

ID# 103758

**To be completed by ECU personnel only**

Name and Rank of Submitting Officer

ID# 11064

Received by

Geo

Date

45-11

ECU Control #

No. [REDACTED]

Date Analyzed:

6-21-11

City: Boston D.C.U. Police Dept.

Officer: P.O. SYBIL WHITE

Def: [REDACTED]

Amount:

Subst: SUB

No. Cont: 2 Cont: pb

Date Rec'd: 04/05/2011

No. Analyzed:

Gross Wt.: 8.80

Net Weight: 3.08

# Tests: 6  
2 DJR

Prelim: cocaine (C)

Findings: Cocaine

No. [REDACTED]

Date Analyzed:

6-21-11

City: Boston D.C.U. Police Dept.

Officer: P.O. SYBIL WHITE

Def: [REDACTED]

Amount: 26.0

Subst: TAB

No. Cont: 1 Cont: pb

Date Rec'd: 04/05/2011

No. Analyzed:

Gross Wt.: 17.30

Net Weight: 13.66

# Tests: 1 AS  
2 DJR

Prelim: Oxycontin 8

Findings:

Oxycontin

# DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Boston ANALYST AS2

No. of samples tested: \_\_\_\_\_ Evidence Wt. \_\_\_\_\_

PHYSICAL DESCRIPTION: Gross Wt (2): 6.7768

OFF white chunky residue  
17 2P20

Gross Wt (1): 3.3458

Pkg. Wt: \_\_\_\_\_

Net Wt: 3.0849

## PRELIMINARY TESTS

### Spot Tests

Cobalt Thiocyanate (-) +

Marquis ~

Froehde's ~

Mecke's ~

### Microcrystalline Tests

Gold Chloride +

TLTA (-) +

### OTHER TESTS

## PRELIMINARY TEST RESULTS

RESULTS COCAINE

DATE 6-10-11

## GC/MS CONFIRMATORY TEST

RESULTS COCAINE

MS OPERATOR D32

DATE 6-21-11

# DRUG POWDER ANALYSIS FORM

SAMPLE # XXXXXXXXXX AGENCY Boston ANALYST 937

No. of samples tested: \_\_\_\_\_ Evidence Wt: \_\_\_\_\_

PHYSICAL DESCRIPTION: Gross Wt ( ): \_\_\_\_\_

26 white non d tablet  
17.45

Gross Wt ( ): \_\_\_\_\_

Pkg. Wt: \_\_\_\_\_

Net Wt: 13.6699

512

## PRELIMINARY TESTS

### Spot Tests

Cobalt Thiocyanate ( )

Marquis \_\_\_\_\_

Froehde's \_\_\_\_\_

Mecke's \_\_\_\_\_

### Microcrystalline Tests

Gold Chloride \_\_\_\_\_

TLTA ( )

### OTHER TESTS

thin layer A ( )

## PRELIMINARY TEST RESULTS

RESULTS Oxytello

DATE 6-10-11

## GC/MS CONFIRMATORY TEST

RESULTS Oxytello

MS OPERATOR DS2

DATE 6-21-11

## Drug Information

**DRUG NAME:** ACETAMINOPHEN AND OXYCODONE

**INGREDIENTS:** ACETAMINOPHEN -- 325 MG  
OXYCODONE HYDROCHLORIDE -- 5 MG

**Color:** white

**NDC:** 00406-0512-01  
00406-0512-05

**Shape:** Circle , scored

**Excipients:**

Crospovidone ; Povidone ; microcrystalline cellulose ; pregelatinized starch ; Silicon Dioxide ; Stearic Acid

**Imprint:** 512

**Regulatory Status:** Schedule II

**Form:** Tablet

**Availability:** United States

**Available-Container-Size:** Bottle of 100 , Bottle of 500

**Product ID:** 5726249

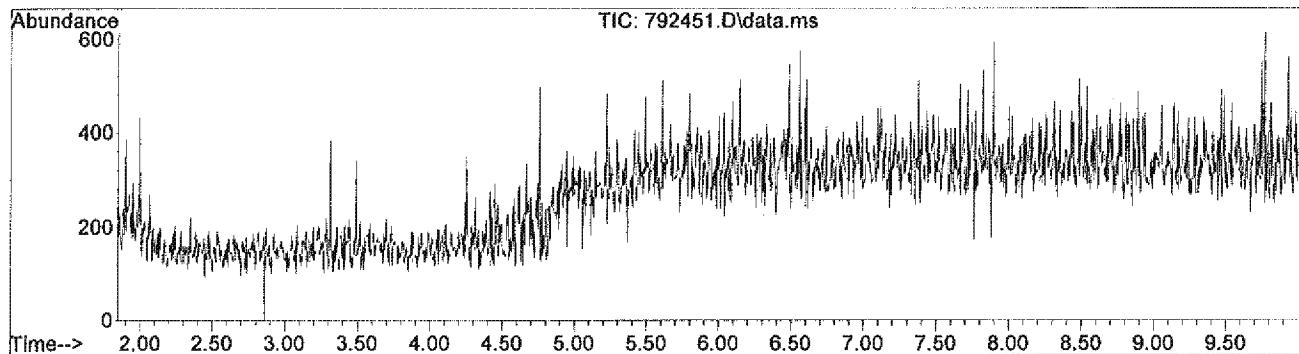
**AAPCC Code:** 072702 -  
Acetaminophen with Oxycodone

**Contact:** Covidien Mallinckrodt

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Information from Data File:  
File Name : F:\SYSTEM4\06\_17\_11\792451.D  
Operator : DJR  
Date Acquired : 20 Jun 2011 14:14  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

✓DJR  
8.30.11



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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

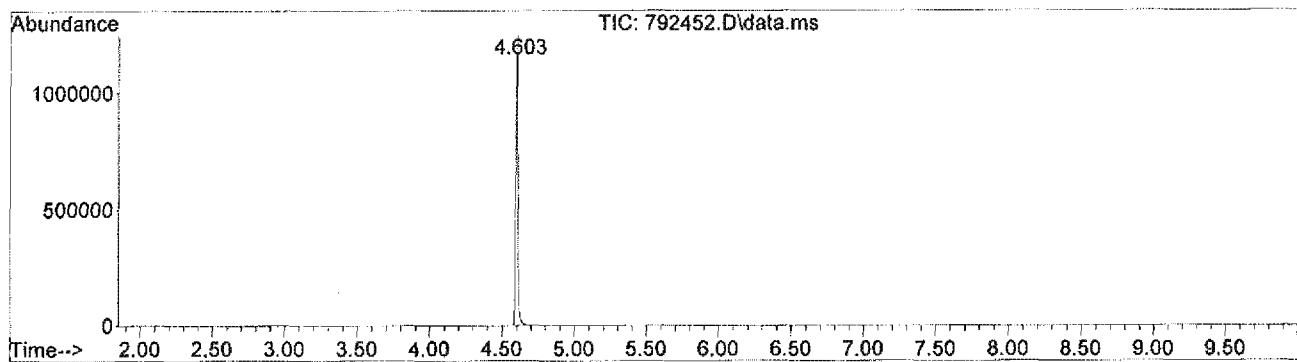
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\SYSTEM4\06\_17\_11\792452.D  
Operator : DJR  
Date Acquired : 20 Jun 2011 14:27  
Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 52  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
4.603	1246218	100.00	100.00

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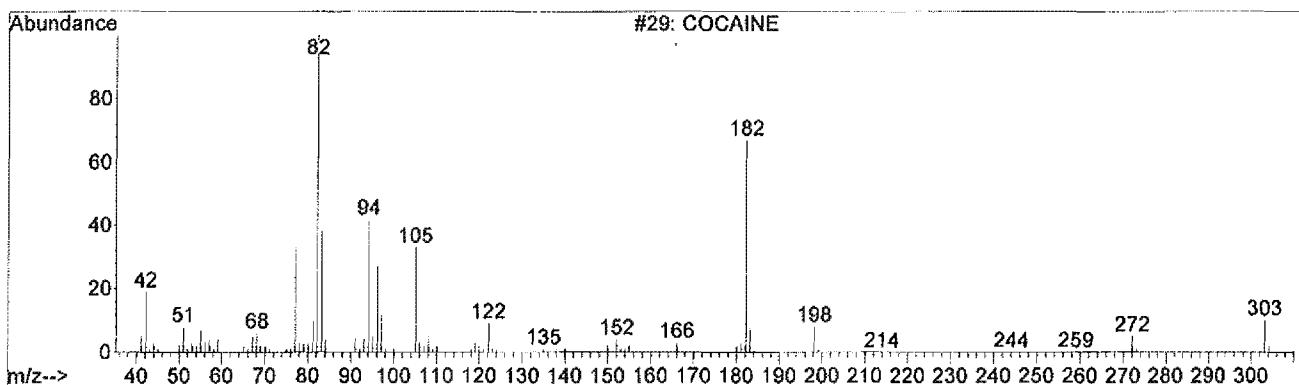
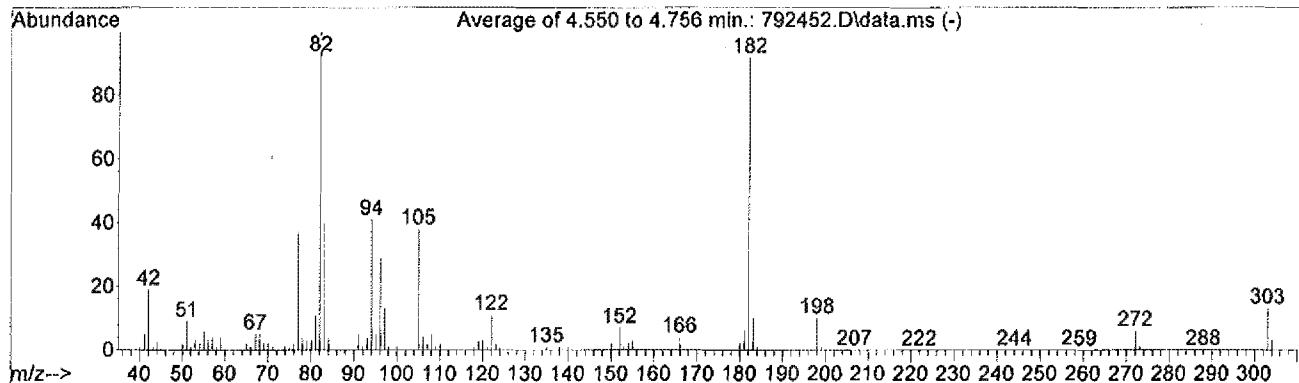
Area Percent / Library Search Report

Information from Data File:

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 Date Acquired : 20 Jun 2011 14:27  
 Sample Name : COCAINE STD  
 Submitted by :  
 Vial Number : 52  
 AcquisitionMeth: DRUGS  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.60	C:\Database\SLI.L COCAINE	000050-36-2	99



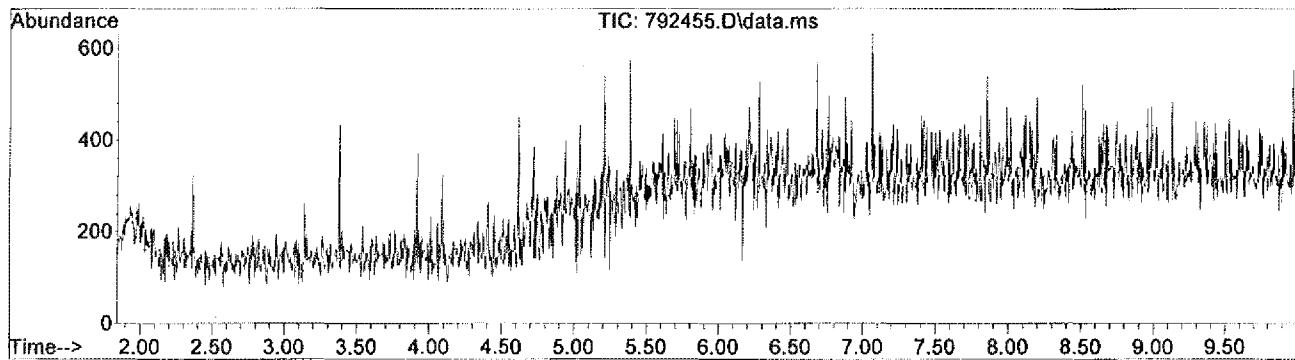
Area Percent / Library Search Report

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File Name : F:\SYSTEM4\06\_17\_11\792455.D  
Operator : DJR  
Date Acquired : 20 Jun 2011 15:08  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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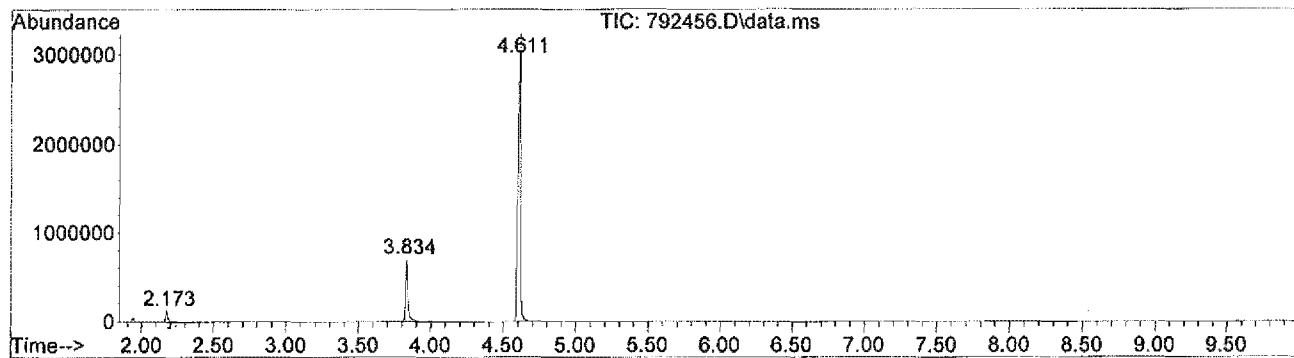
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\*\*\*NO INTEGRATED PEAKS\*\*\*

Area Percent / Library Search Report

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File Name : F:\SYSTEM4\06\_17\_11\792456.D  
Operator : DJR  
Date Acquired : 20 Jun 2011 15:21  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 56  
AcquisitionMeth: DRUGS  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.173	117008	2.42	2.99
3.834	809220	16.71	20.66
4.611	3916287	80.87	100.00

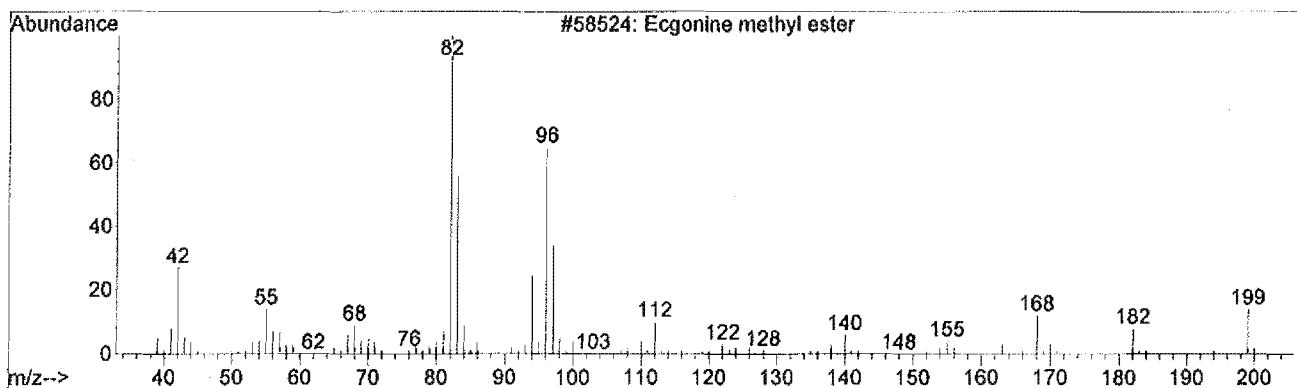
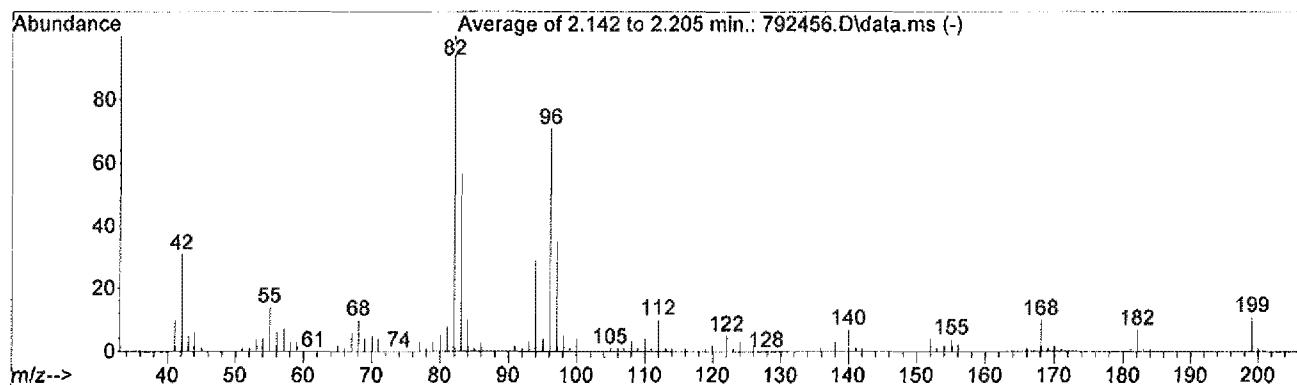
Area Percent / Library Search Report

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Operator : DJR  
Date Acquired : 20 Jun 2011 15:21  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 56  
AcquisitionMeth: DRUGS  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.17	C:\Database\NIST08.L		
		Ecgonine methyl ester	106293-60-1	99
		Ecgonine methyl ester	106293-60-1	98
		Ecgonine methyl ester	106293-60-1	97

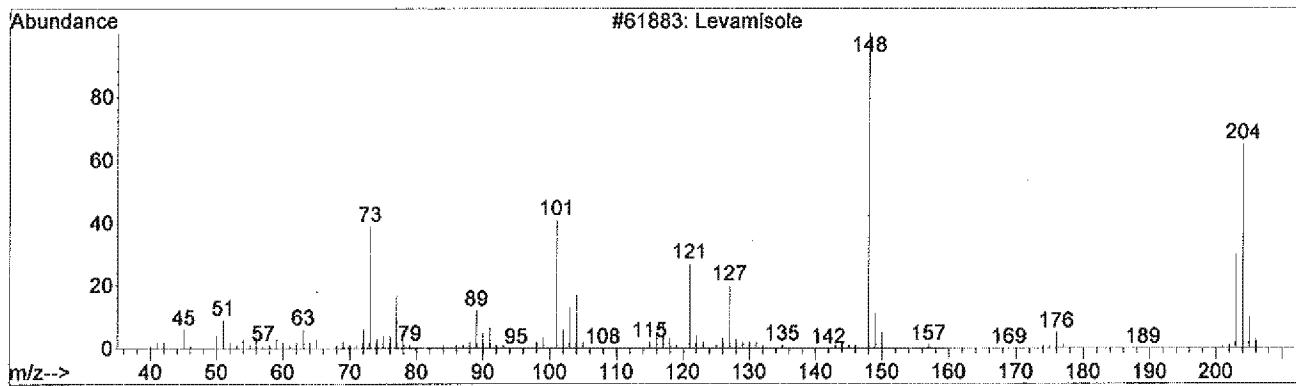
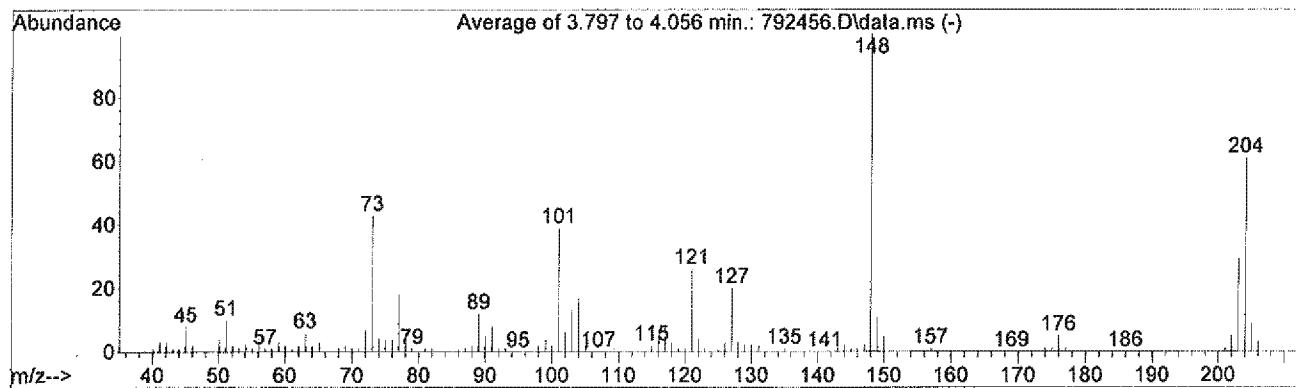


## Information from Data File:

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Operator : DJR  
Date Acquired : 20 Jun 2011 15:21  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 56  
AcquisitionMeth: DRUGS  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	3.83	C:\Database\NIST08.L		
		Levamisole	006649-23-6	99
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	014769-73-4	99
		Levamisole	006649-23-6	97



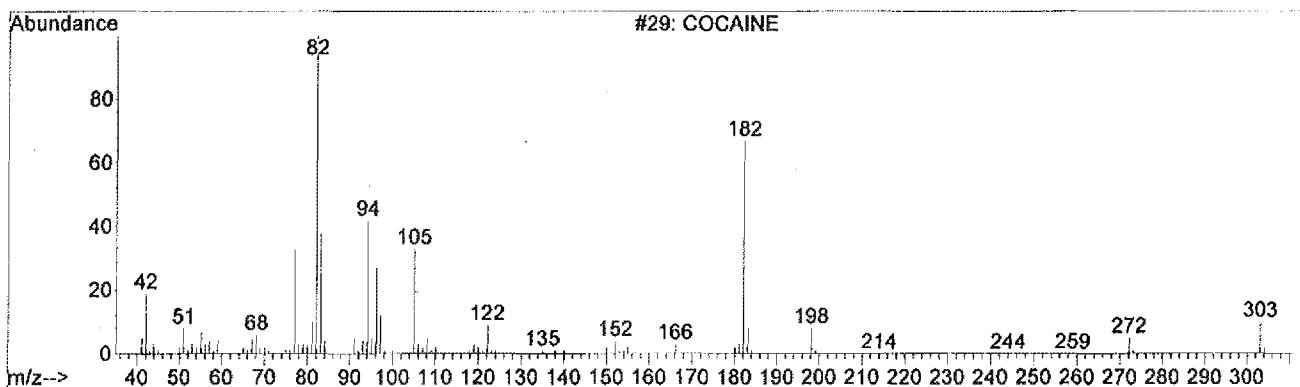
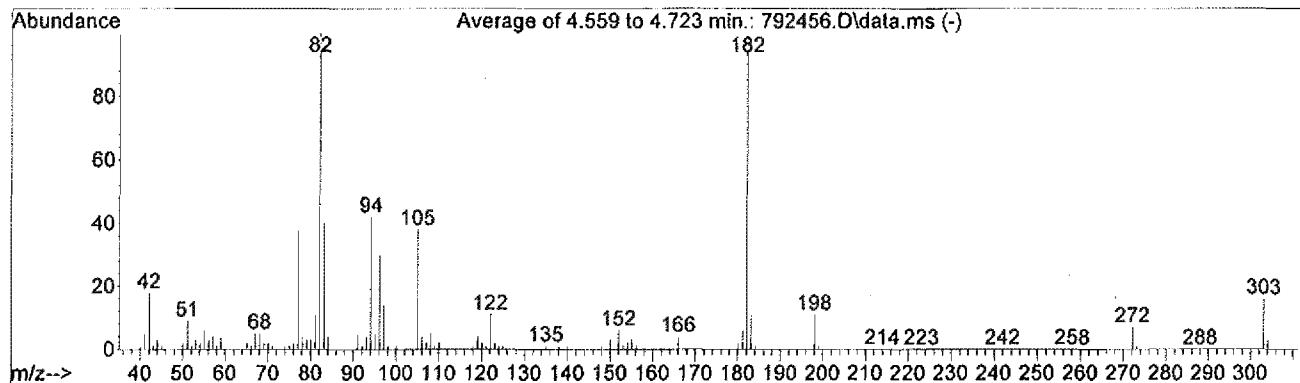
Area Percent / Library Search Report

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 Operator : DJR  
 Date Acquired : 20 Jun 2011 15:21  
 Sample Name : XXXXXXXXXX  
 Submitted by : ASD  
 Vial Number : 56  
 AcquisitionMeth: DRUGS  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	4.61	C:\Database\SLI.L COCAINE	000050-36-2	99

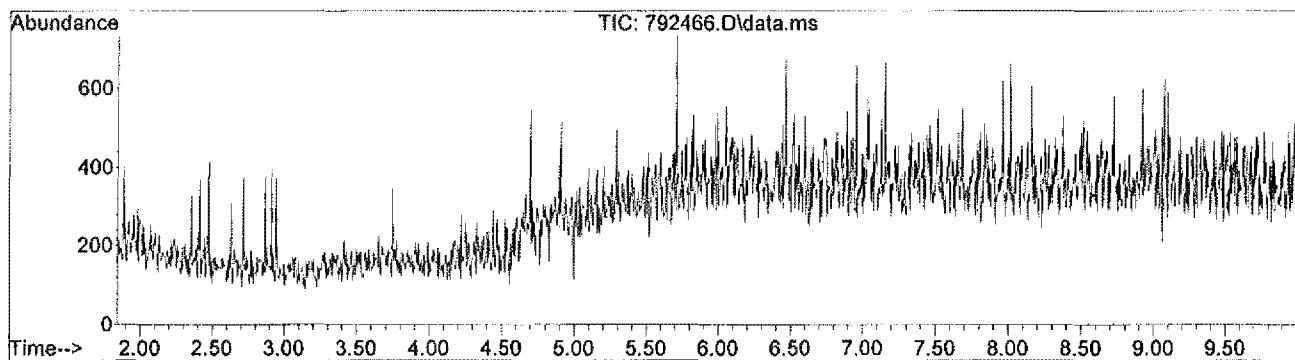


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Operator : DJR  
Date Acquired : 20 Jun 2011 17:35  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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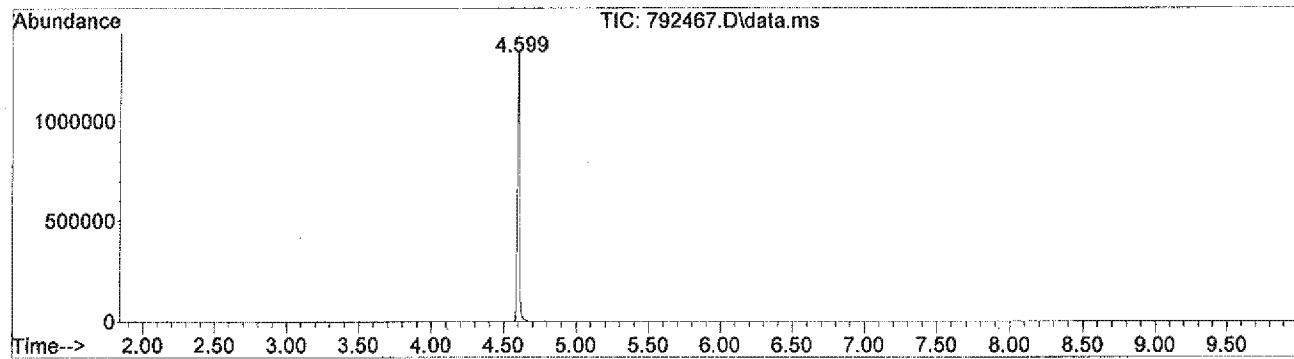
\*\*\*NO INTEGRATED PEAKS\*\*\*

Area Percent / Library Search Report

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Information from Data File:  
File Name : F:\SYSTEM4\06\_17\_11\792467.D  
Operator : DJR  
Date Acquired : 20 Jun 2011 17:48  
Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 52  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
4.599	1357053	100.00	100.00

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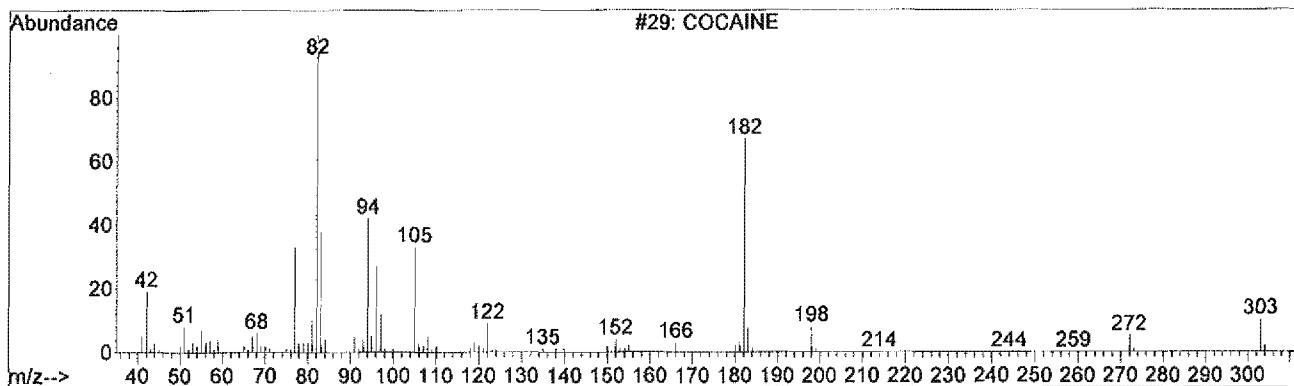
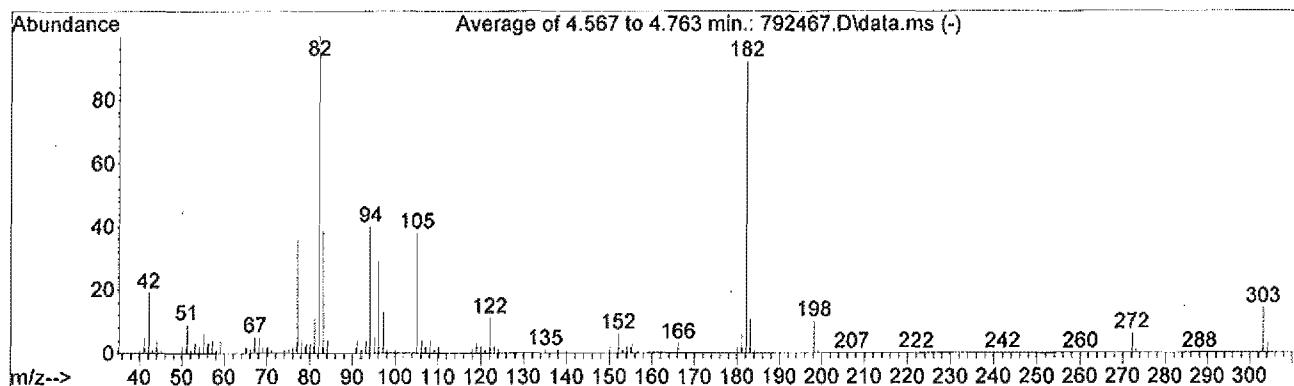
Area Percent / Library Search Report

Information from Data File:

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 Operator : DJR  
 Date Acquired : 20 Jun 2011 17:48  
 Sample Name : COCAINE STD  
 Submitted by :  
 Vial Number : 52  
 AcquisitionMeth: DRUGS  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.60	C:\Database\SLI.L COCAINE	000050-36-2	99

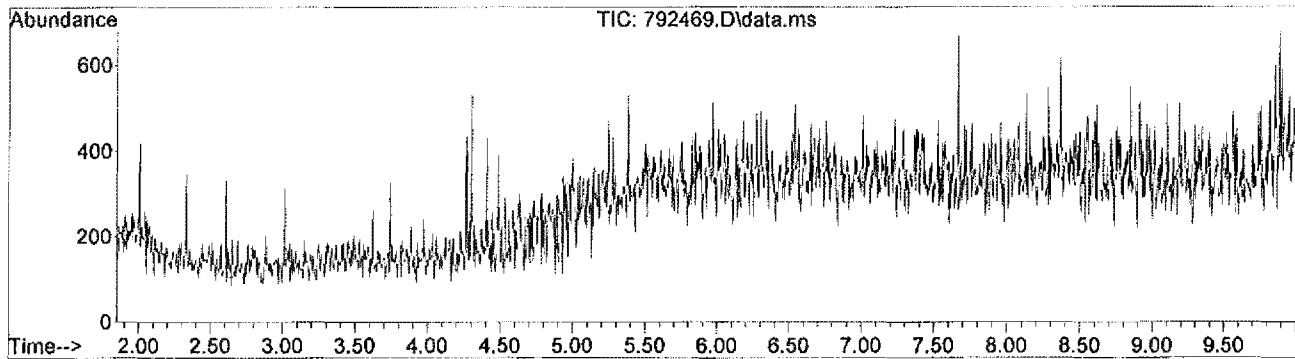


Area Percent / Library Search Report

Information from Data File:

File Name : F:\SYSTEM4\06\_17\_11\792469.D  
Operator : DJR  
Date Acquired : 20 Jun 2011 18:15  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

✓DJR  
8/30/11



Ret. Time	Area	Area %	Ratio %
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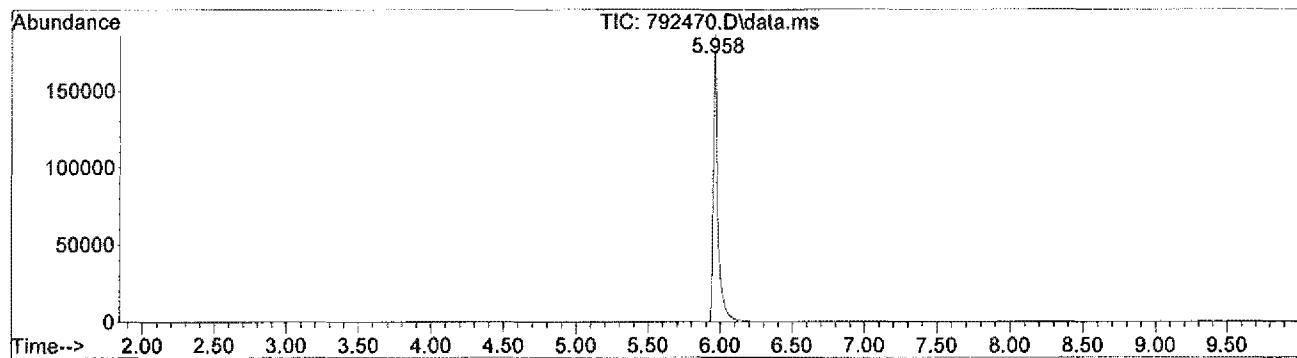
\*\*\*NO INTEGRATED PEAKS\*\*\*

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Information from Data File:

File Name : F:\SYSTEM4\06\_17\_11\792470.D  
Operator : DJR  
Date Acquired : 20 Jun 2011 18:29  
Sample Name : OXYCODONE STD  
Submitted by :  
Vial Number : 70  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
5.958	396675	100.00	100.00

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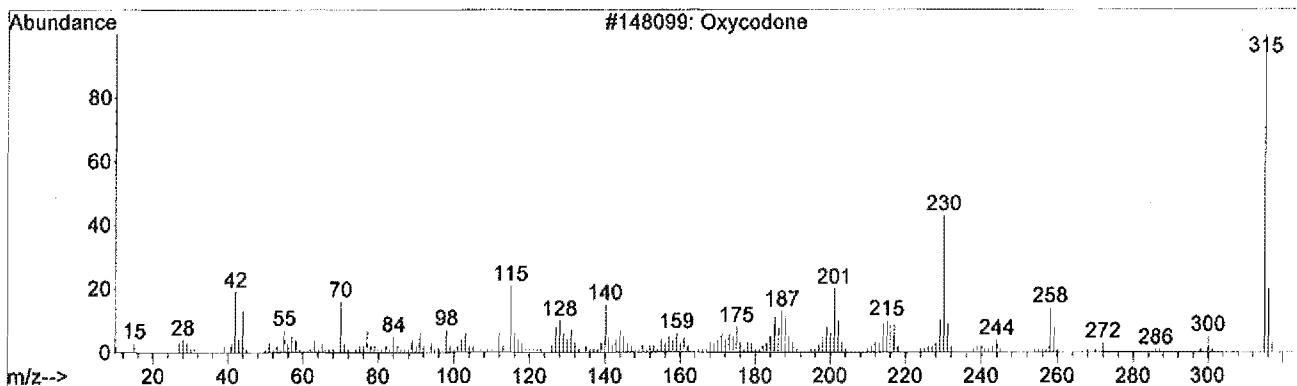
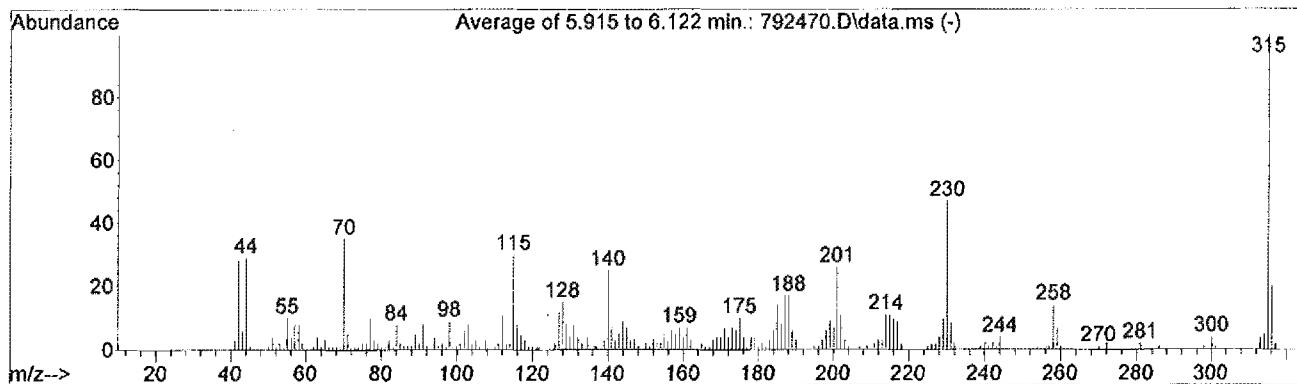
Area Percent / Library Search Report

Information from Data File:

File Name : F:\SYSTEM4\06\_17\_11\792470.D  
 Operator : DJR  
 Date Acquired : 20 Jun 2011 18:29  
 Sample Name : OXYCODONE STD  
 Submitted by :  
 Vial Number : 70  
 AcquisitionMeth: DRUGS  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	5.96	C:\Database\NIST08.L		
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	99



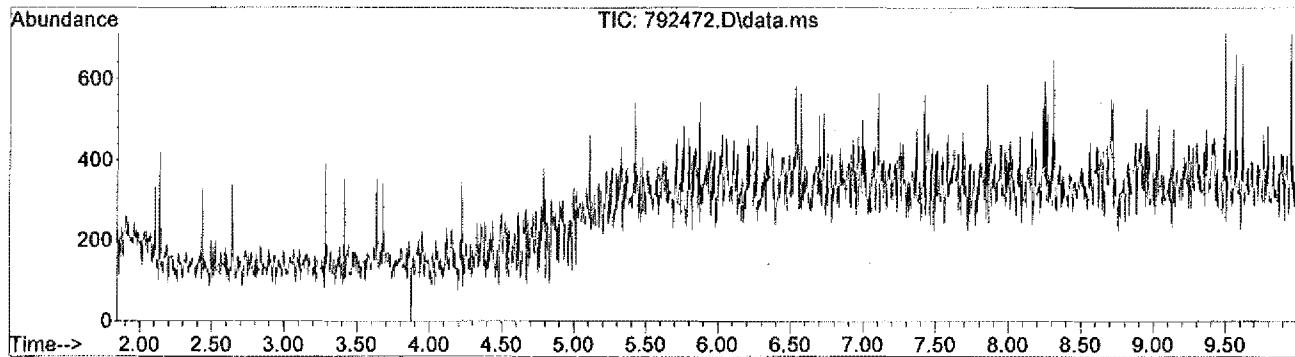
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\SYSTEM4\06\_17\_11\792472.D  
Operator : DJR  
Date Acquired : 20 Jun 2011 18:56  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

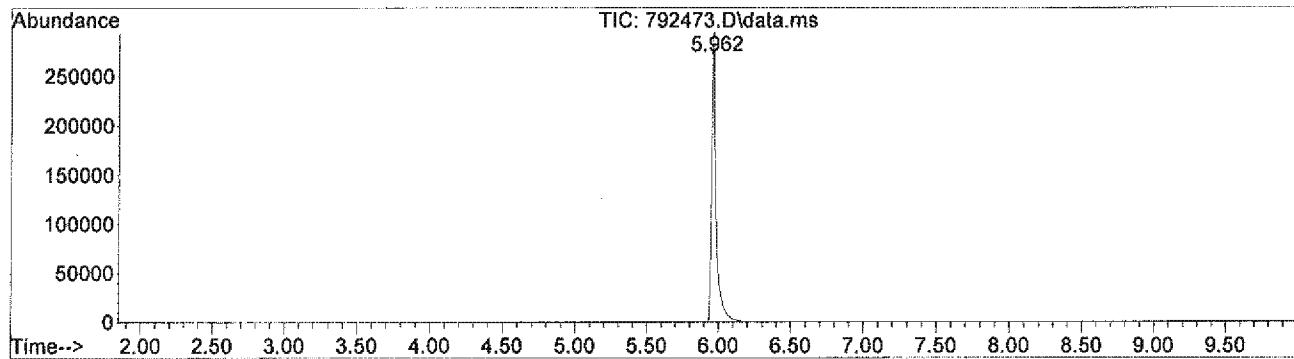
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\SYSTEM4\06\_17\_11\792473.D  
Operator : DJR  
Date Acquired : 20 Jun 2011 19:09  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 73  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
5.962	626988	100.00	100.00

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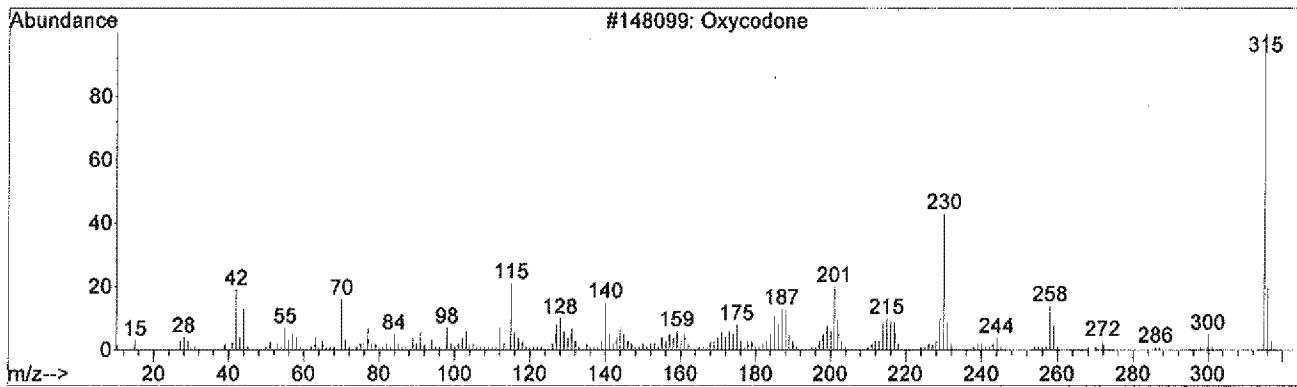
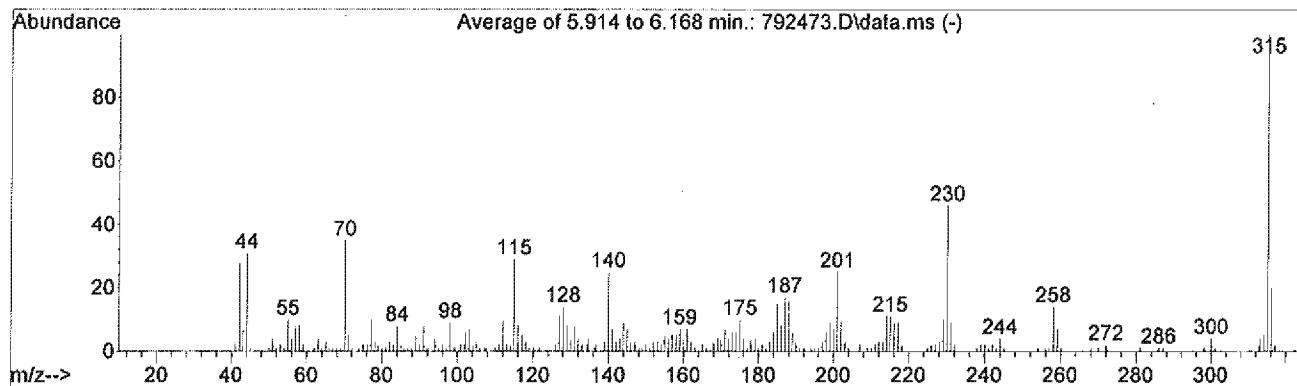
## Area Percent / Library Search Report

## Information from Data File:

File Name : F:\SYSTEM4\06\_17\_11\792473.D  
Operator : DJR  
Date Acquired : 20 Jun 2011 19:09  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 73  
AcquisitionMeth: DRUGS  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	5.96	C:\Database\NIST08.L		
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	99



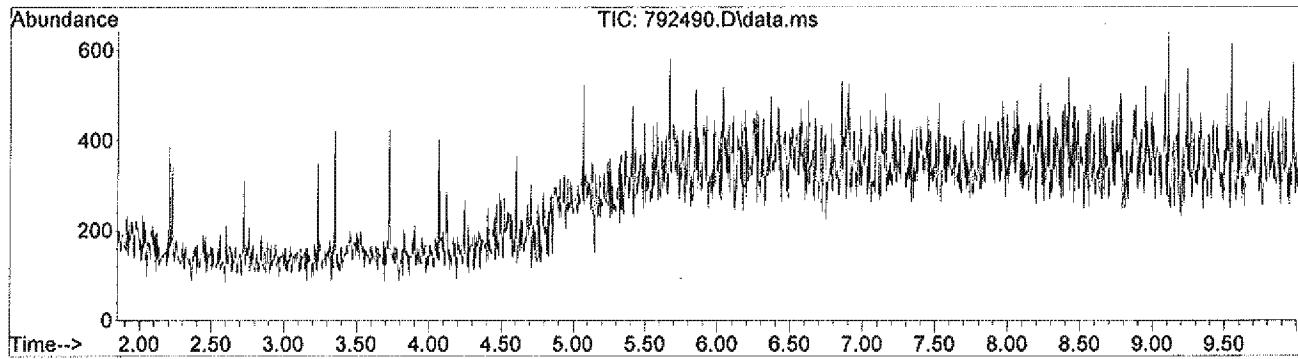
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\SYSTEM4\06\_17\_11\792490.D  
Operator : DJR  
Date Acquired : 20 Jun 2011 22:56  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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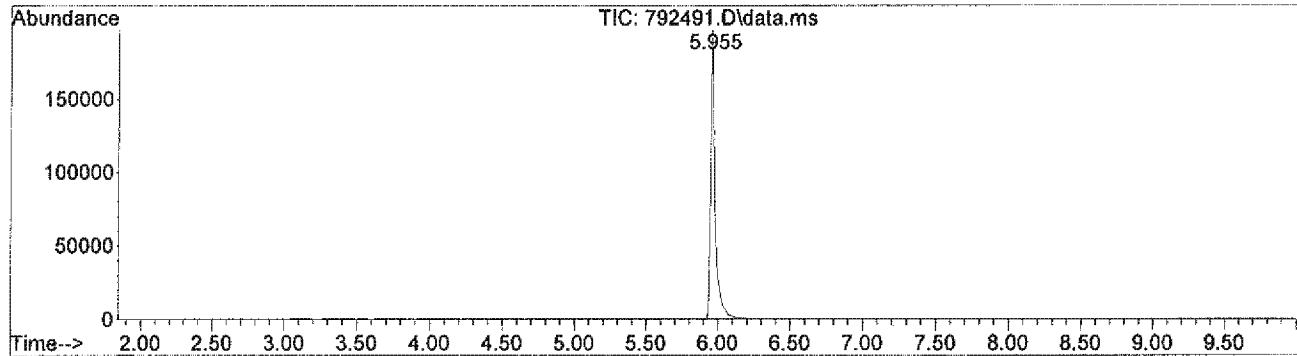
\*\*\*NO INTEGRATED PEAKS\*\*\*

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Information from Data File:

File Name : F:\SYSTEM4\06\_17\_11\792491.D  
Operator : DJR  
Date Acquired : 20 Jun 2011 23:10  
Sample Name : OXYCODONE STD  
Submitted by :  
Vial Number : 70  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
5.955	420429	100.00	100.00

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## Information from Data File:

File Name : F:\SYSTEM4\06\_17\_11\792491.D  
Operator : DJR  
Date Acquired : 20 Jun 2011 23:10  
Sample Name : OXYCODONE STD  
Submitted by :  
Vial Number : 70  
AcquisitionMeth: DRUGS  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	5.96	C:\Database\NIST08.L		
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	99

